Innovation for patient blood management across the OR and ICU

VAMP Optima system with FloTrac sensor
Accurately monitor blood pressure and advanced hemodynamic parameters while conserving blood to allow for a continuum of patient care from OR into the ICU.

The VAMP Optima system is an OR friendly closed blood sampling solution compatible with the FloTrac sensor for effective patient blood management. The FloTrac sensor with the VAMP Optima system offer the additional benefit of closed blood sampling to improve care of hemodynamically unstable patients that require frequent blood sampling in the perioperative setting.

Closed blood sampling is an evidence-based solution
Closed blood sampling systems may reduce blood loss, iatrogenic anemia, and reduce transfusion needs and related complication compared to conventional blood sampling. Clinical studies show lower contamination risk may present the potential for reduction in catheter-related bloodstream infections (CRBSI).12-13

Randomized controlled trials demonstrate benefits of closed blood sampling1-12
The FloTrac sensor with the VAMP Optima system is a flexible and convenient single solution for closed blood sampling and hemodynamic monitoring in OR and ICU

**VAMP Optima system features**

- 84” (213 cm) of pressure tubing and two samples sites offer flexibility for OR and ICU use
- Large 12 cc reservoir provides optimized clearing volume
- nDEHP tubing to limit potentially harmful phthalate exposure
- Two sample site locations allow for sampling outside the sterile field in the OR and close to the patient in the ICU setting
- Intuitive use and clear user interface with fluid path icons
- Safety locking mechanism on the reservoir to prevent autofilling
- Convenient single hand operation for simplified sampling and clearing volume reinfusion

**FloTrac sensor features**

- The minimally-invasive FloTrac sensor connects to any existing arterial catheter
- Provides advanced hemodynamic parameters to help guide volume administration\(^{14-17}\)
- Automatically updates advanced parameters every 20 seconds

The FloTrac sensor and the VAMP Optima system are now available in one sterile kit providing an environmentally friendly out-of-the-box experience

**FloTrac sensor with VAMP Optima system**

- The VAMP Optima closed blood sampling system is designed to work together with the FloTrac minimally-invasive hemodynamic monitoring system
- When paired together, the kit allows for accurate blood pressure monitoring
- The FloTrac sensor with the VAMP Optima system allows for continuum of care for patients that require frequent blood sampling in the perioperative setting
Smart compatibility in closed blood sampling

VAMP Optima system kits

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>MHD8VZ</td>
<td>FloTrac sensor kit with VAMP Optima system and z-site sample sites</td>
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<td>MHD8VZTW</td>
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Contact your Edwards representative to learn more about the FloTrac sensor with the VAMP Optima system

Know more. Know now.

Edwards Lifesciences offers educational resources to help your hospital implement effective blood management through closed blood sampling.
Visit Edwards.com/eu/CBM

To incorporate the VAMP Optima closed blood sampling systems in your OR and ICU, contact your Edwards representative or visit Edwards.com/eu/VAMP

For over 40 years, Edwards Lifesciences has been helping you make proactive clinical decisions to advance the care of acutely ill patients across the continuum of care.

Through continuing collaboration with clinicians, ongoing education, and a never-ending quest for innovation, Edwards continues to develop smart hemodynamic management solutions that enable proactive decision support.

For professional use. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions and adverse events.

Edwards Lifesciences devices placed on the European market meeting the essential requirements referred to in Article 3 of the Medical Device Directive 93/42/EEEC bear the CE marking of conformity.

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VAMP Optima system

References
16. Le Manach, et al. Can changes in arterial pressure be used to detect changes in cardiac output during volume expansion in the perioperative period? Anesthesiology 2013.
17. EV1000 Operators Manual.